PTO/SB/05 (03-01) Approved for use through 10/31/2002. OMB 0651-0032

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UTILITY PATENT APPLICATION **TRANSMITTAL**

E-13260 Attorney Docket No. Zemanian, et al. First Inventor Monolayer Coated Aerogels and Method of Making

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Express Mail Label No. ET626516172US

See MEPP chapter 600 concerning utility patent application contents Washington, DC 20231	APPLICATION ELEMENTS			ADDRESS TO: Assistant Commissioner for Patents Rox Patent Application			
Computer Program (Appendix) Computer Program (Appendix)	See MPEP chapter 600 cor	cerning utility patent application cont	Dox rations application				
Applicant claims small entity status. Sepecification Specification Specification Specification Cross Reference to Related Applications - Cross Reference to Related Applications - Reference to Sequence Islifing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Summar	Fee Transmittal Form (e.g., PTO/SB/17)			7. CD-ROM or CD-R in duplicate, large table or			
Specification Descriptive title of the invention Descriptive title of the invention Cross Reference to Related Applications Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, or a computer program listing appendix Background of the invention Brief Summany of the Invention Statement (Invention Stat	(Submit an original and a duplicate for fee processing) Applicant claims small entity status.			8. Nucleotide and/or Amino Acid Sequence Submission			
Descriptive title of the Invention Cross Reference to Related Applications Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, or a computer program listing appendix Background of the Invention Bird Description of the Drawings (if filed) Detailed Description Abstract of the Disclosure 4. Drawing(s) (35 U.S.C. 113)	Specification						
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or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Claim(s) - Abstract of the Disclosure 4.	- Reference to s	equence listing, a table,		🗖			
- Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Claim(s) - Abstract of the Disclosure 4.							
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- Claim(s) - Abstract of the Disclosure 4.							
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5. Oath or Declaration a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63 (d)) b. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) b. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application, a prior application information cor in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation of prior application information below and in a preliminary amendment, or in an Application prior application information below and in a preliminary amendment, or in an Application prior application information below and in a preliminary amendment, or prior application information below and in a preliminary amendment, or in an Application information below and in a preliminary amendment, or prior application information below and in a preliminary amendment, or in an Application information below and in a preliminary amendment, or in an Application information below and in a preliminary amendment, or in an Application information below and in a preliminary amendment, or in an Application prior application information below and in a preliminary amendment, or in an Application prior application in a preliminary amendment, or in an Application prior application in an anti-original application and in a preliminary amendment, or in an Application prior application in an anti-original application and in a preliminary amendment, or in an Application prior application in an anti-original ap	- Abstract of the	Disclosure	7	10. (when there is an assignee) Attorney			
5. Oath or Declaration [Total Pages 4] 12. Statement (IDS)/PTO-1449 Citations a. Newly executed (original or copy) b. (Copy from a prior application (37 CFR 1.63 (d)) b. (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: 19. Continuation Continuation Continuation Prior application No.: 19. Continuation or Divisional Continuation in Application and is hereby incorporated by reference. The Incorporation can only be relied upon when a portion has been inadvertently ontited from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number or Ber Code Label 19. Correspondence eddress below Name 19. Correspondence eddress below Name (Print/Type) 10. Continuity, Jr. 11. Chercing Continuation of prior application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently ontited from the submitted application parts. 19. Correspondence eddress below 19. Co	4. Drawing(s) (35 t	J.S.C. 113) [Total Sheets 1					
b. Copy from a prior application (\$7 CFR 1.63 (d)) i. DELETION OF INVENTOR(\$) Signed statement attached deleting inventor(\$) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: 19. Continuation Data Sheet under 37 CFR 1.76: 10. Total Data Sheet under 37 CFR 1.76: 11. Total Data Sheet under 37 CFR 1.76: 12. Continuation Data Sheet under 37 CFR 1.76: 13. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: 13. If a CONTINUING APPLICATION of the state of the prior application information: 14. V. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(\$) (fit foreign priority is claimized) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(I), Applicant must attach form PTO/SB/35 or its equivalent. 17. Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or its equivalent. 17. Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or its equivalent. 17. Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or its equivalent. 17. Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or its equivalent. 19. Continuation information or divisional application and is hereby incorporated by reference. 19. CORRESPONDENCE ADDRESS 19. Correspondence address below 19. Correspondence address below 19. Correspondence address below 19. Correspondence address	5. Oath or Declaration [Total Pages 4]			112			
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Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Data Sheet under 37 CFR 1.76: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number or Ber Code Label Customer Number or Ber	b. Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed)			14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)			
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Application Data Sheet. See 37 CFR 1.76 17. Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.:				(b)(2)(B)(i). Applicant must attach form PTO/SB/35			
or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner Group Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label (Insert Ciristomer No. or Attach ber code label nere) or Correspondence address below Name Douglas E. McKinley, Jr. McKinley Law Office P.O. Box 202 City Richland State WA Zip Code 99352 Country USA Telephone (509) 628-0809 Fax (509) 628-2307 Name (Print/Type) Douglas E. McKinley, Jr. Registration No. (Attorney/Agent) 40,280	6. Application Data Sheet. See 37 CFR 1.76			·			
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For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label Insert Gustomer No. or Atlach bar code label riere or		Divisional Continuation-in-part	(CIP)	of prior application No.:/			
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McKinley Law Office Address P.O. Box 202 City Richland State WA Zip Code 99352 Country USA Telephone (509) 628-0809 Fax (509) 628-2307 Name (Print/Type) Douglas E. McKinley, Jr. Registration No. (Attorney/Agent) 40,280	Customer Number or Bar C	Code Label (Insert Customer No. or An	ach bar cod	or Correspondence address below			
Address P.O. Box 202 City Richland State WA Zip Code 99352 Country USA Telephone (509) 628-0809 Fax (509) 628-2307 Name (Print/Type) Douglas E. McKinley, Jr. Registration No. (Attorney/Agent) 40,280	Name	Douglas E. McKinley, J	r				
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Country USA Telephone (509) 628-0809 Fax (509) 628-2307 Name (Print/Type) Douglas E. McKinley, Jr. Registration No. (Attorney/Agent) 40,280		P.O. Box 202					
Name (Print/Type) Douglas E. McKinley, Jr. Registration No. (Attorney/Agent) 40,280	City	Richland	St	ate WA Zip Code 99352			
	Country	USA	Teleph	one (509) 628-0809 Fax (509) 628-2307			
Signature 101 hm = 11A 200 - 1A/2=/21	Name (Print/Type)	Douglas E. McKinley, Jr.		Registration No. (Attorney/Agent) 40,280			
Signature $h/h/h \times 40.280$ Date $10/25/01$	Signature Nh M 40,280 Date 10/25/01						

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

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Complete if Known					
Application Number					
Filing Date					
First Named Inventor	Thomas Zemanian, et al.				
Examiner Name	not yet assigned				
Group Art Unit					
Attorney Docket No.	E-13260				

METHOD OF PAYMENT	FEE CALCULATION (continued)					
The Commissioner is hereby authorized to charge indicated foos and gradit any everynaments to:	3. ADDITIONAL FEES					
Deposit Deposit	Large Small					
Account Number 02-1275	Fee	Fee Paid				
Deposit Account Battelle Memorial Institute - PND	Code (\$) Code (\$)	ree raiu				
Name Battelle Memorial Institute - PND	105 130 205 65 Surcharge - late filing fee or oath					
Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17	127 50 227 25 Surcharge - late provisional filing fee or cover sheet					
Applicant claims small entity status.	139 130 139 130 Non-English specification					
See 37 CFR 1.27	147 2,520 147 2,520 For filing a request for ex parte reexamination					
2. Payment Enclosed: Check Credit card Money Order Other	112 920* 112 920* Requesting publication of SIR prior to Examiner action					
FEE CALCULATION	113 1,840* 113 1,840* Requesting publication of SIR after Examiner action					
1. BASIC FILING FEE	115 110 215 55 Extension for reply within first month					
Large Entity Small Entity	116 400 216 200 Extension for reply within second month					
Fee Fee Fee Fee Description	117 920 217 460 Extension for reply within third month					
404 740 004 070 1100 60 6	118 1,440 218 720 Extension for reply within fourth month					
101 740 201 370 Utility filing fee 370.00	128 1,960 228 980 Extension for reply within fifth month					
107 510 207 255 Plant filing fee	119 320 219 160 Notice of Appeal					
108 740 208 370 Reissue filing fee	120 320 220 160 Filling a brief in support of an appeal					
114 160 214 80 Provisional filing fee	121 280 221 140 Request for oral hearing					
	138 1,510 138 1,510 Petition to institute a public use proceeding					
SUBTOTAL (1) (\$) 370.00	140 110 240 55 Petition to revive - unavoidable					
2. EXTRA CLAIM FEES	141 1,280 241 640 Petition to revive - unintentional					
Fee from Ext <u>ra Claims below Fee Paid</u>	142 1,280 242 640 Utility issue fee (or reissue)					
Total Claims 25 -20** = 5 X 9.00 = 45.00	143 460 243 230 Design issue fee					
Claims 2 X 42.00 = 04.00	144 620 244 310 Plant issue fee					
Multiple Dependent	122 130 122 130 Petitions to the Commissioner					
Louis Freth, O. H.F. W.	123 50 123 50 Processing fee under 37 CFR 1.17(q)					
Large Entity Small Entity Fee Fee Fee Fee Fee Description	126 180 126 180 Submission of Information Disclosure Stmt					
Code (\$) Code (\$) 103 18 203 9 Claims in excess of 20	581 40 581 40 Recording each patent assignment per property (times number of properties)	,				
102 84 202 42 Independent claims in excess of 3	146 740 246 370 Filing a submission after final rejection					
104 280 204 140 Multiple dependent claim, if not paid	(37 CFR § 1.129(a))					
109 84 209 42 ** Reissue independent claims over original patent	149 740 249 370 For each additional invention to be examined (37 CFR § 1.129(b))					
110 18 210 9 ** Reissue claims in excess of 20	179 740 279 370 Request for Continued Examination (RCE)					
and over original patent	169 900 169 900 Request for expedited examination	l				
SUBTOTAL (2) (\$) 129.00	of a design application Other fee (specify)					
**or number previously paid, if greater; For Reissues, see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)					

SUBMITTED BY		Complete (if applicable)		
Name (Print/Type)	Douglas E. McKinley, Jr.	Registration No. (Attorney/Agent) 40,280	Telephone	(509) 628-0809
Signature	Mrx my		Date	OCT 25, 2001

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Thomas S. Zemanian, et al. For: MONOLAYER COATED Our Ref. No: E-13260 AEROGELS AND METHOD OF MAKING

CERTIFICATE OF MAILING

Assistant Commissioner for Patents Box Patent Application Washington, DC 20231

Dear Sir:

The undersigned hereby certifies that the attached:

- [X] Patent Application of 14 pages, and
- [X] Drawings of 1 Sheet
- [X] Patent Transmittal
- [X] Patent Fee Transmittal (2 ea.)
 [X] Assignment / Transmittal
- [X] Combined Declaration and Power of Attorney
-] Information Disclosure
 -] with attachments
- [X] Return Card

are being deposited with the United States Postal Service as:

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in an envelope addressed to the Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231, on the date set forth below.

Signature

10/26/01

Date Deposited

Janice K. Laybourn K1-53Intellectual Property Services Battelle Memorial Institute Pacific Northwest Laboratories P.O. Box 999 Richland, WA 99352 (509) 375-2655